$costvar$, c
$termvar$, x, y, z, f
$baseAttackVar$, b
$index$, i, j, k

$$
\begin{array}{lll}
A,\ B & ::= & \\
 & \mid & b \\
 & \mid & A \otimes B \\
 & \mid & A \multimap B
\end{array}
$$

$$
\begin{array}{lll}
\Gamma,\ \Delta & ::= & \\
 & \mid & . \\
 & \mid & A \\
 & \mid & \Gamma, \Gamma'
\end{array}
$$

$\boxed{\Gamma; \Delta \vdash A}$

$$\frac{}{\texttt{<<no parses (char 7): .;(b,c***) |-c b >>}}\ \textsc{T\_var}$$

$$\frac{}{\texttt{<<no parses (char 5): (b,c***);. |-c b >>}}\ \textsc{T\_varC}$$

$$\frac{\texttt{<<no parses (char 10): G1;D1 |-c***1 T1 \&\& G2;D2 |-c2 T2 >>}}{\texttt{<<no parses (char 16): G1,G2;D1,D2 |-(***.)op(c1,c2) T1 (.)op T2 >>}}\ \textsc{T\_para}$$

$$\frac{\texttt{<<no parses (char 10): G1;D1 |-c***1 T1 \&\& G2;D2 |-c2 T2 >>}}{\texttt{<<no parses (char 17): G1,G2;D1,D2 |- >***op(c1,c2) T1 >op T2 >>}}\ \textsc{T\_seq}$$

$\boxed{\mathbf{I}; \mathbf{P} \vdash_{\mathbf{C}} \mathbf{E}}$

$$\frac{}{\texttt{<<no parses (char 5): .;(E***,c) |-c E >>}}\ \textsc{E\_var}$$

$$\frac{}{\texttt{<<no parses (char 3): (E***,c);. |-c E >>}}\ \textsc{E\_varC}$$

$$\frac{\texttt{<<no parses (char 3): I1***;P1 |-c1 E1 \&\& I2;P2 |-c2 E2 >>}}{\texttt{<<no parses (char 3): I1***,I2;P1,P2 |-(.)op(c1,c2) E1 (.)op E2 >>}}\ \textsc{E\_paraI}$$

$$\frac{\texttt{<<no parses (char 3): I2***;P1 |-(.)op(c1,c2) E1 (.)op E2 \&\& I1,(E1,c1),(E2,c2),I3;P2 |-c3 E}}{\texttt{<<no parses (char 3): I1***,I2,I3;P1,P2 |-c3 E3 >>}}$$

$$\frac{\texttt{<<no parses (char 3): I1***;P1 |-c1 E1 \&\& I2;P2 |-c2 E2 >>}}{\texttt{<<no parses (char 3): I1***,I2;P1,P2 |- >op(c1,c2) E1 >op E2 >>}}\ \textsc{E\_seqI}$$

$$\frac{\texttt{<<no parses (char 3): I1***;P2 |- >op(c1,c2) E1 >op E2 \&\& I2;P1,(E1,c1),(E2,c2),P3 |-c3 E3 >}}{\texttt{<<no parses (char 3): I1***,I2;P1,P2,P3 |-c3 E3 >>}}$$

$$\frac{\texttt{<<no parses (char 3): I1***,(E1,c1),(E2,c2),I2;P |-c E >>}}{\texttt{<<no parses (char 3): I1***,(E2,c2),(E1,c1),I2;P |-c E >>}}\ \textsc{E\_ex}$$

$$\frac{\texttt{<<no parses (char 5): I;P,***(E1,c1) |-c2 E2 \&\& ->op(c1,c2) >>}}{\texttt{<<no parses (char 8): I;P |-c***2 E1 ->op(c1,-) E2 >>}}\ \textsc{E\_impRI}$$

$$\frac{\texttt{<<no parses (char 3): I1***;P1 |-c2 E1 ->op(c1,-) E2 \&\& I2;P2 |-c1 E1 >>}}{\texttt{<<no parses (char 3): I1***,I2;P1,P2 |-c2 E2 >>}}\ \textsc{E\_impRE}$$

$$\frac{\texttt{<<no parses (char 4): I;(***E1,c1),P |-c2 E2 \&\& <-op(c1,c2) >>}}{\texttt{<<no parses (char 9): I;P |- c***2 E2 <-op(c1,-) E1 >>}}\ \textsc{E\_impLI}$$

$$\frac{\texttt{<<no parses (char 3): I1***;P1 |- c2 E2 <-op(c1,-) E1 \&\& I2;P2 |-c1 E1 >>}}{\texttt{<<no parses (char 3): I1***,I2;P1,P2 |-c2 E2 >>}}\ \text{E\_IMPLE}$$

$$\frac{\texttt{<<no parses (char 3): I,***(E1,c1);P |-c2 E2 \&\& -oop(c1,c2) >>}}{\texttt{<<no parses (char 9): I;P |- -***oop(c1,c2) E1 -o E2 >>}}\ \text{E\_IMPI}$$

$$\frac{\texttt{<<no parses (char 3): I1***;P1 |-c2 E1 -oop(c1,-) E2 \&\& I2;P2 |-c1 E1 >>}}{\texttt{<<no parses (char 3): I1***,I2;P1,P2 |-c2 E2 >>}}\ \text{E\_IMPE}$$

```
Definition rules:         0 good    17 bad
Definition rule clauses:  0 good    30 bad
```